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Attorney Docket No.: 20618-000600US

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on the date indicated above and is addressed to:

Assistant Commissioner for Patents Washington, D.C. 20231

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Gregory S. Hageman

Application No.: 09/511,008

Filed: February 22, 2000

For: DIAGNOSTICS AND

THERAPEUTICS FOR ARTERIAL WALL DISRUPTIVE DISORDERS Examiner:

Unassigned

Art Unit:

س 1632

INFORMATION DISCLOSURE

STATEMENT UNDER 37 CFR §1.97 and

§1.98

**Assistant Commissioner for Patents** Washington, D.C. 20231

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. Also enclosed are copies of the International Search Report and the Written Opinion issued in the corresponding PCT application. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and Gregory S. Hageman

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no representation is being made that a search has been conducted or that this state TEACENTER 1600/28 23 encompasses all the possible relevant information.

Applicant believes that <u>no fee is required</u> for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Hugh Wang Reg. No. 47,163

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HW:rnh

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FORM PTO-1449 (Modified) Attorney Docket No.: 20618-000600US Application No.: 09/511,008 LIST OF PATENTS AND PUBLICATIONS FOR Applicant: Gregory S. Hageman APPLICANT'S INFORMATION INSTANCE OF THE PROPERTY OF THE PROPER Filing Date: February 22, 2000 Group: 1632 STATEMENT (Use several sheets if necessary) Reference Designation U.S. PATENT DOCUMENTS Page 1 Filing Date Sub-class Examiner Initial Class Document No. Date Name (If Appropriate) FOREIGN PATENT DOCUMENTS Country Class Sub-class Translation Document No. Date (Yes/No) 11/06/97 WO 97 40849 **PCT** AA PCT AB WO 94 01123 01/20/94 OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) Allaire E, et al., "Local overexpression of TIMP-1 prevents aortic aneurysm degeneration an a rat model," J Clin AC Invest, 102(7), 1413-20, 1998 Anidjar S, et al., "Experimental study of determinants of aneurysmal expansion of the abdomen," Ann Vasc Surg, AD 9(2), 127-36, 1994. Aoyagi M, et al., "Smooth muscle cell proliferation, elastin formation, and tropoelastin transcripts during the AE development of intimal thickening in rabbit carotid arteries after endothelial denudation," Histochem Cell Biol 107:117, 1997. Beckman, EN, "Plasma cell infiltrates in atherrosclerotic abdominal aortic aneurysms," AM. J. Clin. Pathol., AF 85:21-24, 1986 Bigatel DA, et al., "The matrix metalloproteinase inhibitor BB-94 limits expansion of experimental abdominal AG aortic aneurysms," J Vasc Surg, 29(1):130-8; discussion 138-9, 1999. Bilato and Crow "Atherosclerosis and the vascular biology of aging," Aging 8(4):221-34, 1996. AH Bobryshev, Y.V. et al., "Immunophenotypic analysis of the aortic aneursm wall suggests that vascular dendritic ΑI cells are involved in immune reponses," Cardiovascular Surgery, 6(3):240-249, 1998. Boyle JR, et al., "Amlodipine potentiates metalloproteinase activity and accelerates elastin degradation in a model ΑJ of aneurysmal disease," Eur J Vasc Endovasc Surg, 16(5):408-14, 1998. Boyle JR, et al., "Doxycycline inhibits elastin degradation and reduces metalloproteinase activity in a model of ΑK aneurysmal disease," J Vasc Surg, 27(2):354-61, 1998. Brophy, CM et al., "Decreased tissue inhibitor of metalloproteinases (TIMP) in abdominal aortic aneurysm tissue: a ALpreliminary report," J Surg Research 50:653-657, 1991. Brophy, CM et al., "The role of inflammmation in nonspecific abdomonal aortic aneurysm disease," Annals Vasc. AM Surg., 5:229-233, 1991. Buckmaster MJ, et al., "Source of elastin-degrading enzymes in mycotic aortic aneurysms: bacterial or AN inflammatory response?," Cardiovasc Surg, 71:16-26, 1999. Campa, "Elastin degradation in abdominal aortic aneurysms," JS, Athersclerosis 65:13-21, 1987. AO Capella, et al. "Complement activation and subclassification of tissue immunoglobin G in the abdominal aortic AP aneurysm," (J. Surg. Research 65:31-33, 1996. Cattell MA, et al., "Increased elastin content and decreased elastin concentration may be predictive factors in AQ dissecting aneurysms of human thoracic aorta," Cardiovasc Res, 27(2):176-81, 1993. Chaine, G. et al., "Case control study of the risk factors for age related macular degeneration. France DMLA study AR group," STN Database accession no. 1999109465, XP0021455344. Cohen, et al., "al-Antitrypsin phenotypes in patients with abdominal aortic aneurysms," J. Surg. Res. 49:319-321, AS 1990. Cunningham, R.D. et al., "Aneurysm of the opthalmic artery with drusen of the optic nerve head," American AT Journal Opthalmology, 72 (4), pages 743-5, 1971. Curci JA, et al., "Expression and localization of macrophage elastase matrix metalloprotein abdominal aortic ΑU aneurysms," J Clin Invest, 102(11):1900-10, 1998. Davis V, et al., "Matrix metalloproteinase-2 production and its binding to the matrix are in abdominal aortic aneurysms," Arterioscler Thromb Vasc Biol, 18(10):1625-33, 1998.

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FORM PTO-144	1/2	Attorney Docket No.: 20618-000600US  Applicant: Gregory S. Hageman	Application No.: 09/511,008			
LIST OF PATENTS AND PUBLICATED IN FOR APPLICANT'S INFORMATICALES CLOSURE		Filing Date: February 22, 2000	Group: 1632			
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BP	Newman KM, et al., "Matrix metalloproteinases in abdominal aortic aneurysm: characterization, purification, and their possible sources," Connect Tissue Res, 30(4):265-76, 1994.					
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BV	The state of the s					
BW	Sacks, S.G. et al., "The pathogenesis of optic nerve drusen. A hypothesis," Archives of Ophthalmology 95(3), pages 425-8, 1977.					
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F	ORM PTO-144	19 (Modified)	Attorney Docket No.: 20618-000600US	Application No.: 09/511,008		
LIST OF PATENTS AND ROBLICATIONS FOR			Applicant: Gregory S. Hageman			
APPLICANT'S INFORMATION APPLIC			Filing Date: February 22, 2000	Group: 1632		
7	BY	Sauvage M, et al., "Localization of elastin mRNA and TGF-beta in rat aorta and caudal artery as a function of age," Cell Tissue Res. 29:305-314, 1998.				
	BZ	Sobolewski, K. et al., Act. Biocim. Polonica, 42:301-308, 1995.				
_	CA	Stanley JC et al., "Splanchnic and renal artery aneurysms," pp. 468-481 in WS Moore, Vascular Surgery: A Comprehensive Review, WB Saunders, 1998.				
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	CD	Tamarina et al., "Proteoglycan gene expression is decreased in abdominal aortic aneurysms," J. Surg. Research 74:76-80, 1998.				
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	CF	Verloes, A., et al., "Aneurysms of the abdominal aorta: famililial and genetic aspects in three hundred thirteen pedigrees," J. Vasc. Surg. 21:646-655, 1995.				
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	СН	Vingerling, J.R. et al., "Age related macular degeneration and smoking. The rotterdam study," Arch Phthalmol., vol. 114, no. 10, pages 1193-1196, 1996.				
	CI	Walton LJ, et al., "Inhibition of prostaglandin E2 synthesis in abdominal aortic aneurysms: implications for smooth muscle cell viability, inflammatory processes, and the expansion of abdominal aortic aneurysms," Circulation, 100(1):48-54, 1999.				
	CJ	White, et al., "Adventitial elastolysis is a primary event in aneurysm formation," J Vasc Surg, 17(2):371-81, 1993.				
	CK	Xia, S et al., "Partial amino acid sequence of a novel 40-kDa human aortic protein, with vitronectin-like, fibrinogen-like, and calcium binding domains: aortic aneurysm-associated protein-40 (AAAP-40)[human MAGP-3,proposed]," Biochem. Biophys. Research Communication, 219:36-39, 1996.				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**EXAMINER** 

DATE CONSIDERED